



# NPS/A2C2 RESEARCH UPDATE MAR 2009



## NPS's Empirical Focus is on the (MOC):

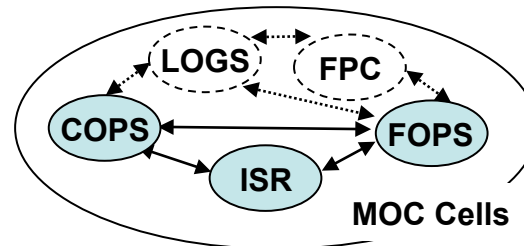
- MOC is adaptive: A2C2 research aligns with larger MOC Project Team goals
- Ran 1st in series of MOC experiments
  - MOC Project Team interested in results
- Software decision aids for planning tasks developed via NPS-UConn collaboration

## MOC Processes Abstracted in Experiment

- Plan, Direct, Monitor, and Assess
- Link tactics and strategy through planning
- Sequence tasks to achieve objectives
- Allocate assets to tasks across multiple warfighting dimensions to satisfy mission
- Direct actions of tactical forces especially Intelligence Prep of Environment (IPE)
- Centralization versus distribution of ISR capability across various cells

## 2009 MOC-1 Experiment Objectives:

- Compare alternative organizational forms
- Continue A2C2 model-based experiments
  - UConn scheduling algorithms guided expt
- Familiarize students with MOC
- Form realistic linkage to MOC concepts
- Develop lab environment for subsequent A2C2 empirical research on MOC
- Determine appropriate pace for laboratory-based operational-level experimentation



## MOC is a Team of Teams

- MOC Cells support the MOC processes
- Expt MOC-1: Examines interactions among 3 of the most vital cells (COPS-FOPS-ISR)
- Creates dynamic tension between individual cell and overall MOC performance criteria
- Developed local and global team measures